

Separation of processing roughness from anatomical irregularities and fuzziness to evaluate...

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Effects of fire-retardant treatment and wood grain on three-dimensional changes of sandwich panels made from bubinga decorative veneer

J Rosero-Alvarado, RE Hernández... - *Wood Material Science & ...*, 2018 - Taylor & Francis

The effects of a fire-retardant treatment (FRT) and wood grain on three-dimensional changes of aircraft sandwich panels were evaluated. Unvarnished and varnished panels having the outer decorative layer made with bubinga (*Guibourtia* spp.) were studied. Half of the ...

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Effect of raw material composition of wood plastic composites on surface roughness parameters evaluated with a robust filtering method

L Gurau, N Ayilimis - *Journal of Thermoplastic Composite ...*, 2018 - journals.sagepub.com

This study extensively investigated the surface roughness of injection molded wood plastic composites (WPCs) produced from different amounts of wood flour, polymer matrix, mineral filler, and other additives. A larger range of roughness parameters that used in the previous ...

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A review on wood machining: characterization, optimization, and monitoring of the sawing process

V Nasir, J Cool - *Wood Material Science & Engineering*, 2018 - Taylor & Francis

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M Kiaei, RM Paloj - *Madera y bosques*, 2018 - scielo.org.mx

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M Kiaei, R Mosavi Paloj - *Madera y bosques*, 2018 - scielo.org.mx

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[Roughness models for sanded wood surfaces](#)

[PL Tan, S Sharif, I Sudin - Wood Science and Technology, 2012 - Springer](#)

Abstract The understanding of the effects of variables is crucial to achieve the desired sanded surface quality at optimum condition. In wood surface evaluation, it is known that anatomies on wood surface could distort the roughness value and cause a ...

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[P Iskra, RE Hernández - Wood and Fiber Science, 2010 - Soc Wood Sc Tech](#)

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[THE INFLUENCE OF EARLYWOOD AND LATEWOOD UPON THE PROCESSING ROUGHNESS PARAMETERS AT SANDING](#)

[L GURĂU - Pro Ligno, 2014 - proligno.ro](#)

Abstract: Sanded wood surfaces contain irregularities caused by both the sanding process and the anatomy, so the anatomical roughness, which is independent of any machining operation, must be excluded from measurements of surface irregularities if the processing ...

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1. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M., 2005. Processing Roughness of Sanded Wood Surfaces. Holz als Roh und Werkstoff. 63 (1) February. 2005, pp. 43-52, ISSN 0018-3768. DOI 10.1007/s00107-004-0524-8. <http://www.springerlink.com/content/0018-...>

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[Effects of plasma treatment and sanding process on surface roughness of wood veneers](#)

[C Demirkir, I Aydin, S Colak... - Turkish Journal of ..., 2014 - mistug.tubitak.gov.tr](#)

Abstract: An ideal veneer surface is crucial for good panel properties in plywood manufacturing. The aim of this study was to compare plasma treatments and sanding (mechanical) processes with respect to the surface roughness of veneers. Rotary-cut ...

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[Wettability of Sanded and Aged Fast-growing Poplar Wood Surfaces: I. Surface Free Energy](#)

[Q Zhiyong, H Chen, Q Gao, S Zhang, J Li - BioResources, 2014 - ojs.cnr.ncsu.edu](#)

Abstract The sanding process influences the surface morphology and chemical components of wood, which are two important factors that influence the surface free energy and wettability of wood. The objective of this study was to investigate the roughness of sanded ...

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[MRS Amorim - 2013 - repositorio.unb.br](#)

Painéis de lâminas paralelas (LVL) são painéis estruturais com lâminas de madeira coladas paralelamente entre si com adesivos estruturais, utilizando elevandas temperaturas e pressões. Foram avaliadas propriedades das lâminas de cinco espécies amazônicas (...

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